

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (currently amended) A video decoder for receiving compressed stream data and providing decompressed video output, the decoder comprising:
 - a demultiplexor for receiving the compressed stream data and separating the normal stream and the channel change stream;
 - a normal decoding portion in direct signal communication with the demultiplexor for selectably receiving at least one of the compressed normal and channel change streams, and providing decompressed video output; and
 - at least one normal frame store in signal communication with the normal decoding portion for storing reference pictures.
2. (previously presented) A video decoder as defined in Claim 1, further comprising:
 - a lower-resolution decoding portion in signal communication with the demultiplexor for receiving the compressed channel change stream;
 - at least one channel change frame store in signal communication with the lower-resolution decoding portion for storing reference pictures;
 - an upsampling unit in signal communication with the lower-resolution decoding portion for upsampling decompressed video data and selectably outputting said data to at least one of the at least one normal frame store and a display.
3. (currently amended) A video decoder as defined in Claim 1, further comprising a postprocessing filter in signal communication with the normal decoding portion for

postprocessing decompressed video data and selectably outputting said data to ~~at least one of the~~
at least one normal frame store ~~and a display~~.

4. (original) A video decoder as defined in Claim 1, further comprising means for selecting a compressed picture to decode from one of a normal stream and a channel change stream.

5. (original) A video decoder as defined in Claim 4, further comprising means for upsampling lower resolution channel change stream pictures.

6. (currently amended) A video decoder as defined in Claim 1, further comprising means for decoding redundant picture syntax in compliance with the ~~ITU-T H.264 [also ISO/IEC MPEG-14496-10?] standard~~ JVT/H.264/MPEG AVC compression standard.

7. (original) A video decoder as defined in Claim 1, further comprising means for decoding channel change pictures from user data of corresponding normal stream pictures.

8. (original) A video decoder as defined in Claim 1, further comprising means for responding to a signal from an encoder indicating whether to use normal stream or channel change stream pictures for subsequent channel change stream intra-coded pictures.

9. (original) A video decoder as defined in Claim 4, further comprising means for postprocessing the output of the normal decoder to reduce the abruptness of a transition from lower-quality to normal quality output.

10. (currently amended) In a video decoder, a video ~~A video~~ decoding method for receiving compressed stream data and providing decompressed video output, the method comprising:

receiving the compressed stream data and separating the normal stream and the channel change stream;

receiving at least one of the compressed normal and channel change streams, and
providing decompressed video output; and
storing reference pictures for use in decoding inter-coded pictures.

11. (original) A video decoding method as defined in Claim 10, further comprising at least one of:

selecting a compressed picture to decode from one of a normal stream and a channel change stream;

upsampling lower resolution channel change stream pictures;

decoding redundant picture syntax in compliance with the JVT standard;

decoding channel change pictures from user data of corresponding normal stream pictures;

responding to a signal from an encoder indicating whether to use normal stream or channel change stream pictures for subsequent channel change stream intra-coded pictures; and

postprocessing the output of the normal decoder to reduce the abruptness of a transition from lower-quality to normal quality output.

12. (cancelled)